

### Lesson 4-1 Divisibility and Mental Math Homework

Number	Sum of Digits	Divisible by 2?	Divisible by 3?	Divisible by 4?	Divisible by 5?	Divisible by 6?	Divisible by 9?	Divisible by 10?
360	$3 + 6 + 0 = 9$	✓	✓	✓	✓	✓	✓	✓
475								
126								
3,460								
6,331								
945								
4,580								
8,000								

**Directions:** Use your **divisibility rules foldable** from page \_\_\_\_\_ of your IMNB to help you determine which numbers each given number is divisible by.

8. Find a digit that makes each number divisible by 3. There can be more than one answer:

a) 5,2\_\_4

b) 89\_\_

9. Mrs. Pike wants to redo lunch seating so that every table has the exact same number of students. If there are 159 students to be seated, can Ms. Pike make tables of:

3 students? \_\_\_\_\_ why or why not? \_\_\_\_\_

5 students? \_\_\_\_\_ why or why not? \_\_\_\_\_

6 students? \_\_\_\_\_ why or why not? \_\_\_\_\_